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L1 19 (VACCINE (S) BOVINE (S) PARAINFLUENZA) AND (NEURAMINIDASE OR FUSION) (S) PROTEIN

L2 1 L1 NOT PY>1995

L3 46 (VACCINE (S) BOVINE (S) PARAINFLUENZA) AND (SUBUNIT OR HN OR F) (P) (PROTEIN)

L4 3 L3 NOT PY>1995

L5 2 L4 NOT L2

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FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 14:35:27 ON 19 MAY 2003

L1 19 S (VACCINE (S) BOVINE (S) PARAINFLUENZA) AND (NEURAMINIDASE OR

L2 1 S L1 NOT PY>1995

L3 46 S (VACCINE (S) BOVINE (S) PARAINFLUENZA) AND (SUBUNIT OR HN OR

L4 3 S L3 NOT PY>1995

L5 2 S L4 NOT L2

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1991:76408 CAPLUS
DN 114:76408
TI Recombinant vaccinia virus encoding bovine parainfluenza virus type 3 membrane **fusion protein** and its preparation
IN Shibuta, Hiroshi; Sakai, Yuko
PA Nippon Zeon Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 02156883	A2	19900615	JP 1988-311655	19881209
PRAI	JP 1988-311655		19881209		

AB Recombinant vaccinia viruses encoding the membrane **fusion protein** (F-**protein**) or hemagglutinin **neuraminidase** (HN) of bovine parainfluenza virus type 3 (BPIV3), both **proteins** are required for syncytial cells formation that is correlated with virulence of BPIV3, are prepd. to be used as prophylactics against the viral infection. Recombinant vaccinia viruses rMHNWR, rSCHNWR, and rMRHNWR encoding the HN of BPIV3 strain M, SC, and MR, resp., as well as rFWR encoding the F protein of BPIV3 strain M, under the regulation of the 7.5 K protein promoter were prepd. Syncytial cells formation seen in the co-infection of the DBMK cells with recombinant vaccinia viruses rFWR and rMHNWR was the most obvious, as compared to that of the co-infection with rSCHNWR and rMRHNWR, resp. Addnl. infection with recombinant vaccinia viruses rMMWR that encoded the membrane protein (M protein), as predicted, showed no effects.